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CLAIMS

1. A catalytic converter for cleaning exhaust gas comprising a first coating layer formed on a heat-resistant support, and a second coating layer formed on the first coating layer,

wherein the first coating layer contains alumina which supports palladium, and

wherein the second coating layer contains Ce-Zr complex oxide which coexistently carries platinum and rhodium, and Zr-Ce complex oxide which differs in composition from the Ce-Zr complex oxide and which coexistently carries platinum and rhodium.

The exhaust gas cleaning catalytic converter according to
 claim 1,

wherein the Ce-Zr complex oxide is represented by the following general formula:

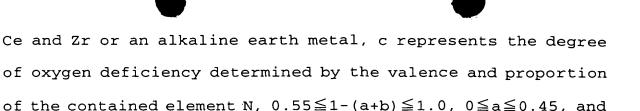
$$Ce_{1-(x+y)}Zr_xM_yO_{2-z}$$
 (1)

in the formula (1), M represents a rare earth element other than 20 Ce and Zr or an alkaline earth metal, z represents the degree of oxygen deficiency determined by the valence and proportion of the contained element M, $0.25 \le 1-(x+y) \le 1.0$, $0 \le x \le 0.55$, and $0 \le y \le 0.2$; and

wherein the Zr-Ce complex oxide is represented by the 25 following general formula:

$$Zr_{1-(a+b)}Ce_aN_bO_{2-c}$$
 (2)

in the formula (2), N represents a rare earth element other than



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 $0 \le b \le 0.2$.

3. The exhaust gas cleaning catalytic converter according to claim 1 or 2, wherein the second coating layer has a surface layer portion which coexistently carries platinum and rhodium.

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4. The exhaust gas cleaning catalytic converter according to claim 1 or 2, wherein the second coating layer has a surface layer portion which carries one of platinum and rhodium alone.

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5. The exhaust gas cleaning catalytic converter according to Claum, any one of claims 1 to 74, wherein the first coating layer additionally contains barium salt of an inorganic acid.

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6. The exhaust gas cleaning catalytic converter according to claims 1 to 5, wherein the first coating layer supports

30~100g of alumina and 0.5~8.0g of palladium per liter of the heat-resistant support.

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7. The exhaust gas cleaning catalytic converter according to claims 1 to 6,

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wherein the Ce-Zr complex oxide carries a total amount of $0.3 \sim 3.0 \, \mathrm{g}$ of platinum and rhodium per liter of the heat-resistant support, and

wherein the Zr-Ce complex oxide carries a total amount of $1.0 \sim 3.0 \, \text{g}$ of platinum and rhodium per liter of the heat-resistant support.

- 8. The exhaust gas cleaning catalytic converter according to claim 3-or 4, wherein the surface layer portion of the second coating layer carries a total amount of 0.05~2.0g of platinum and rhodium per liter of the heat-resistant support.
- 9. The exhaust gas cleaning catalytic converter according to

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 any one of claims 1 to 8, wherein the first coating layer additionally contains Ce-Zr complex oxide which does not carry any precious metal.
 - 15 10. The exhaust gas cleaning catalytic converter according to Claum any one of claims 1 to 9, wherein the second coating layer additionally contains alumina which does not support any precious metal.